

CLAIMS:

1. A coating composition for use in sliding parts,
wherein the composition is obtained by mixing a binder resin,
5 a solid lubricant, titanium oxide powder, and a coupling
agent.

2. The coating composition according to claim 1,
wherein the average primary particle diameter of the titanium
10 oxide powder is 1 μm or less.

3. The coating composition according to claim 1,
wherein, in a sliding film formed of the coating composition,
the content of the titanium oxide powder relative to the
15 binder resin is in the range between 5% by mass and 35% by
mass, inclusive.

4. The coating composition according to claim 1,
wherein, in a sliding film formed of the coating composition,
20 the content of the titanium oxide powder relative to the
binder resin is in the range between 10% by mass and 20% by
mass, inclusive.

5. The coating composition according to claim 1,
25 wherein the binder resin is polyamide-imide.

6. The coating composition according to claim 1,
wherein, in a sliding film formed of the coating composition,
the content of the coupling agent relative to the binder
30 resin is in the range between 0.1% by mass and 10% by mass,
inclusive.

7. The coating composition according to claim 1,
wherein, in a sliding film formed of the coating composition,
35 the content of the coupling agent relative to the binder

resin is in the range between 2% by mass and 8% by mass, inclusive.

8. A coating composition for use in sliding parts,
5 wherein the composition is obtained by mixing polyamide-imide, polytetrafluoroethylene, titanium oxide powder, and a silane coupling agent.

9. The coating composition according to claim 8,
10 wherein the functional group of the silane coupling agent is an epoxy group.

10. The coating composition according to claim 8,
wherein the average primary particle diameter of the titanium
15 oxide powder is 1 μ m or less.

11. The coating composition according to claim 8,
wherein in a sliding film formed of the coating composition,
the content of the titanium oxide powder relative to the
20 polyamide-imide is in the range between 5% by mass and 35% by mass, inclusive.

12. The coating composition according to claim 8,
wherein in a sliding film formed of the coating composition,
25 the content of the titanium oxide powder relative to the polyamide-imide is in the range between 10% by mass and 20% by mass, inclusive.

13. The coating composition according to claim 8,
30 wherein, in a sliding film formed of the coating composition, the content of the silane coupling agent relative to the polyamide-imide is in the range between 0.1% by mass and 10% by mass, inclusive.

35 14. The coating composition according to claim 8,

wherein, in a sliding film formed of the coating composition, the content of the silane coupling agent relative to the polyamide-imide is in the range between 2% by mass and 8% by mass, inclusive.